

## WHAT IS CLAIMED IS:

## 1. A display system comprising:

a light guiding plate;

5 light sources disposed at two different light input ends of said light guiding plate;

a double-sided prism sheet that is disposed on a light emitting face side of said light guiding plate, and that has on a first surface facing said light guiding plate a triangular prism bank extending in a direction parallel to the light input ends of said light guiding plate, and on a second surface opposite to the first surface a cylindrical lens bank extending in a direction parallel to said triangular prism bank;

15 a transmissive display panel disposed on a light emitting face side of said double-sided prism sheet; and

a synchronization driving section for causing said transmissive display panel to display two different images in synchronization with said light sources, wherein

20 light rays from said light sources are emitted from said transmissive display panel toward right and left directions, respectively.

2. The display system according to claim 1, wherein the light rays from said light sources are emitted from said transmissive display panel at angles corresponding to parallax of right and left, respectively.

## 3. A display system comprising:

a light guiding plate;

30 light sources disposed at two different light input ends

of said light guiding plate;

a double-sided prism sheet that is disposed on a light emitting face side of said light guiding plate, and that has on a first surface facing said light guiding plate a triangular prism bank extending in a direction parallel to the light input ends of said light guiding plate, and on a second surface opposite to the first surface a cylindrical lens bank extending in a direction parallel to said triangular prism bank;

a transmissive display panel disposed on a light emitting face side of said double-sided prism sheet; and

a synchronization driving section for causing said transmissive display panel to display two different images in synchronization with said light sources, wherein

light rays from said light sources are emitted from said transmissive display panel toward upper and lower directions, respectively.

4. The display system according to claim 1, wherein said cylindrical lens bank is formed such that a focal point of a cylindrical lens constituting said cylindrical lens bank coincides with a vertex of a prism constituting said triangular prism bank.

5. The display system according to claim 1, wherein a ratio between a pitch of said cylindrical lens bank and a thickness of said double-sided prism sheet ranges from 1:2.5 to 1:4.

6. The display system according to claim 1, wherein a vertex of a prism of said triangular prism bank ranges from 56 degrees to 68 degrees.

7. An electronic apparatus comprising a display system as defined in claim 1.